

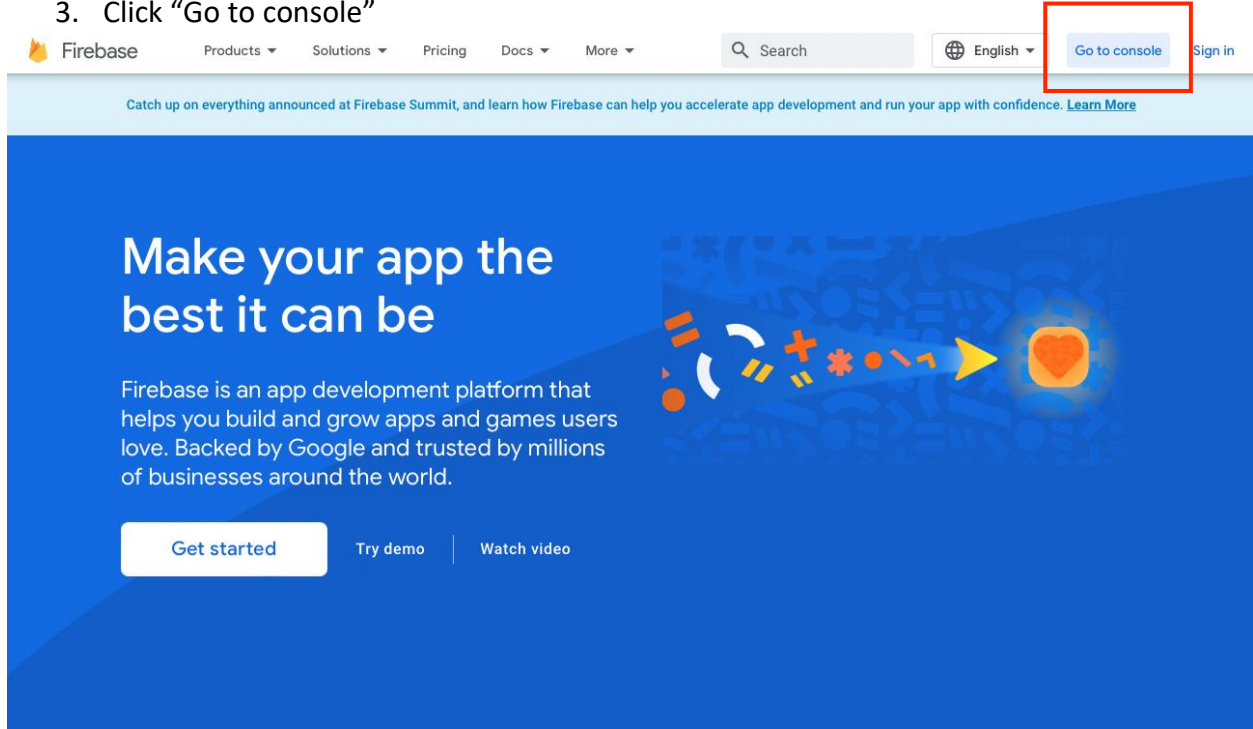
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## INT305 Lab 13 Import Data

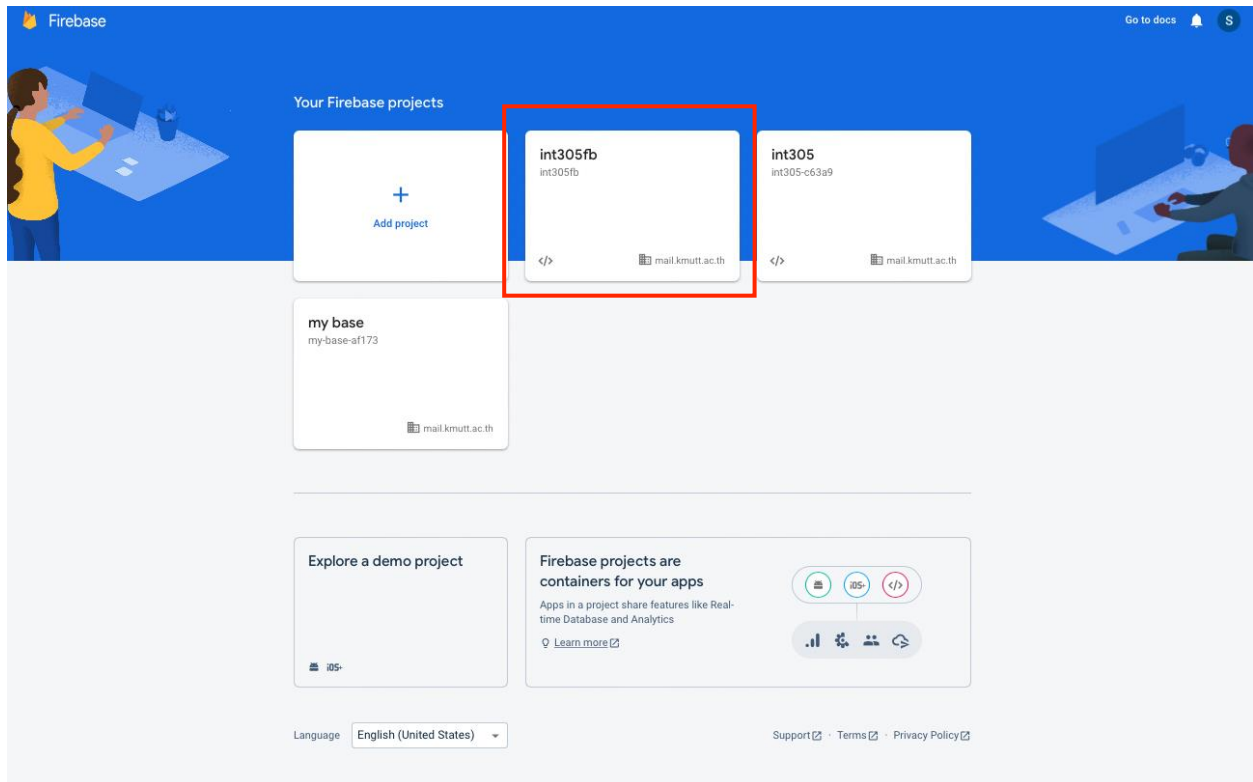
1. Download Lab13\_Import\_Data.zip and unzip the file
2. Open a terminal and change directory to the folder "Lab13\_Import\_Data" and run "npm install"

```
cd Lab13_Import_Data  
npm install
```

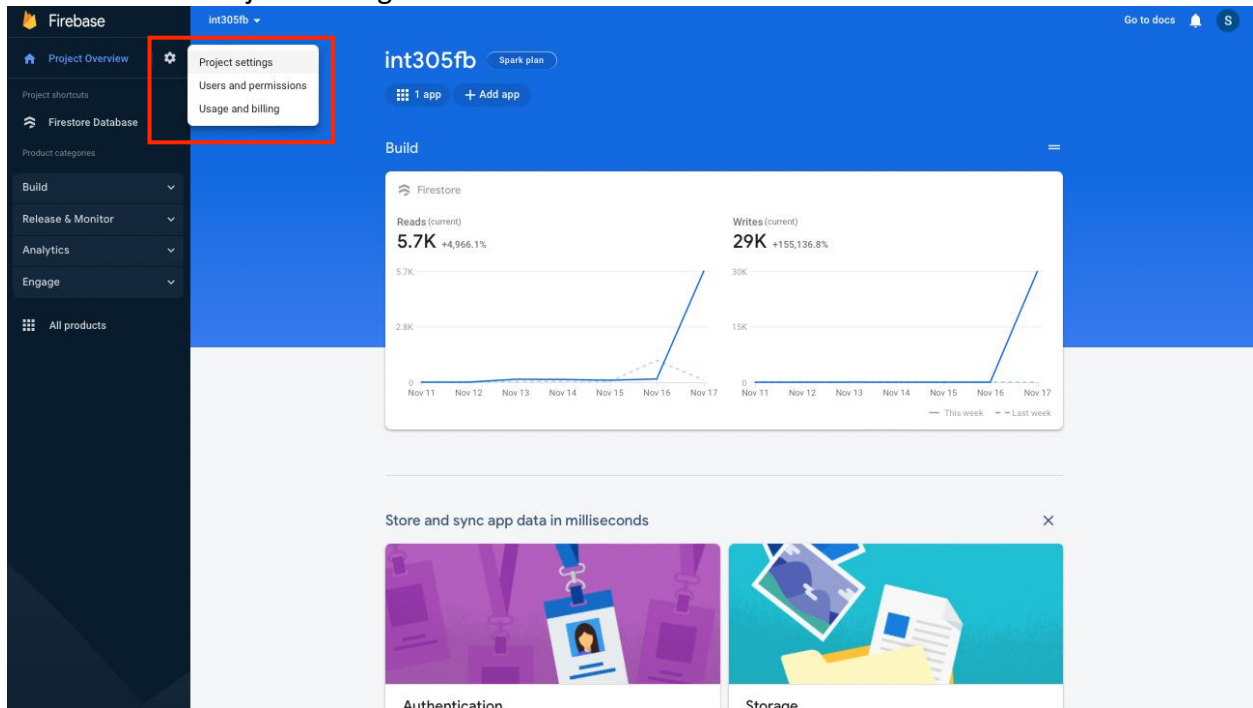
3. Click "Go to console"



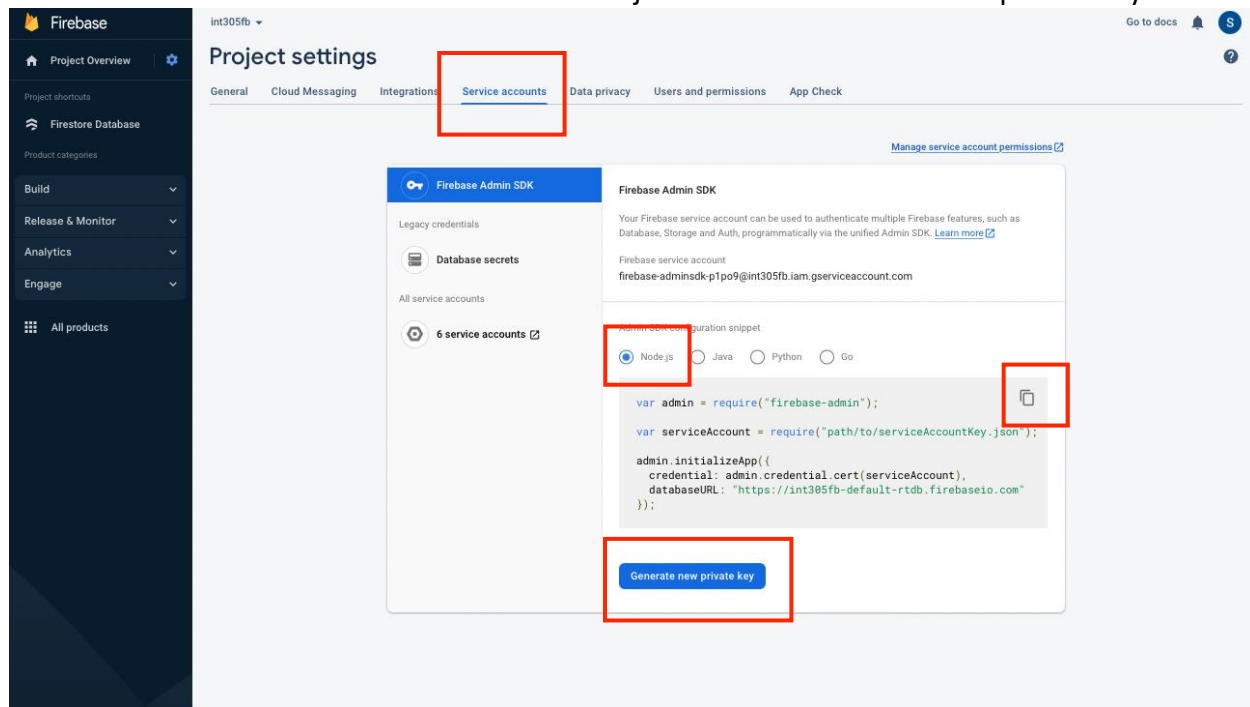
#### 4. Select “int305fb”



#### 5. Select “Project Settings”



6. Click “Service accounts” and click “Node.js” and click “Generate new private key”



7. Rename the generated file (for example: int305fb-firebase-adminsdk-p1po9-2fce844c9a.json) to “serviceAccountKey.json” and move it the folder Lab13\_Import\_Data to replace the existing one in the folder.

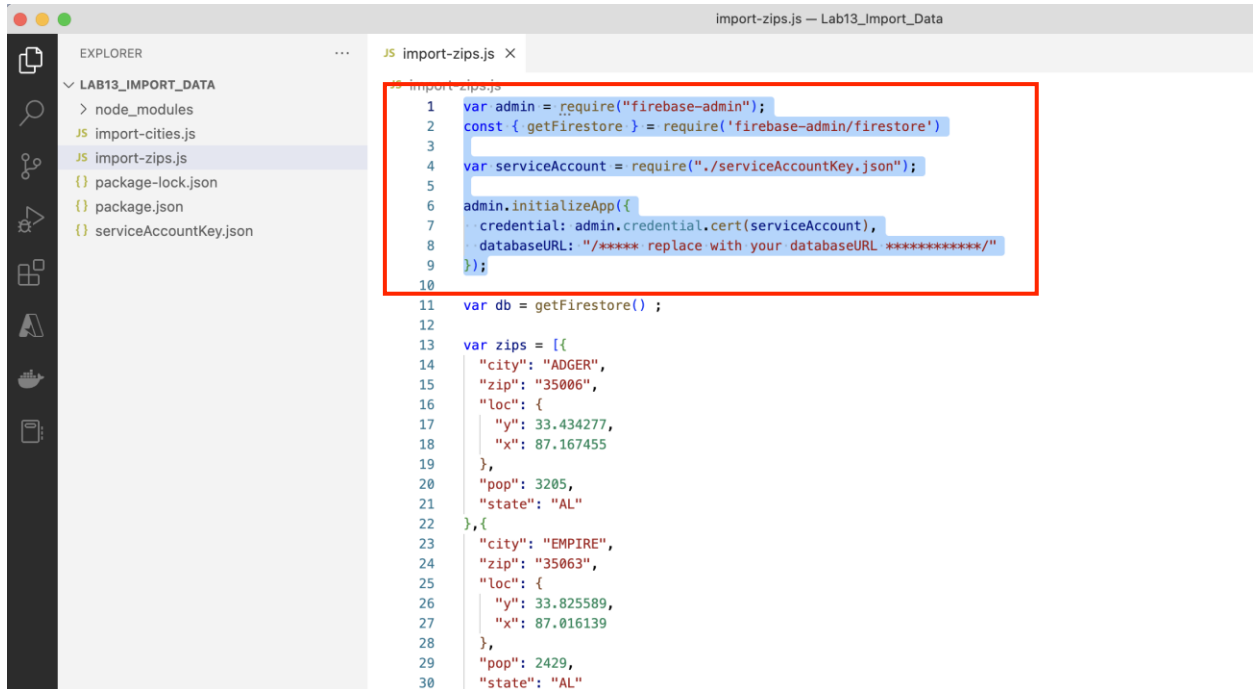
\*\*\*\*\*Paste your serviceAccountKey.json here \*\*\*\*\*

```
{
  "type": "service_account",
  "project_id": "int305fb062",
  "private_key_id": "b0d27eaaadb2519cfca8a7ff57ec40fdfa465c0",
  "private_key": "-----BEGIN PRIVATE KEY-----
\nMIIIEvQIBADANBgkqhkiG9w0BAQEFAASCBAcwggSjAgEAAoIBAQC8y6pHGp3gK5xB\n\nVNCNYmi
Js/Q1KxyCvXl1RSznDe+noxyS5roHtqjKP1M+SBjnBGhtGSZWt8uZMUPp\n\n8J1x9FidUFN9OE32g5L
3byetdJMo2Ma3nbF8dg4He924D/h/nqpPc0jZQMDN3Sy5\n\nw2euN6OIFnUX5Hk0BVJVTmIfirm+
ic0TckyEu+sp2aWJ467tWaR3PIEakxSDTI7q\n\np5hINKjO8PzgBbaPDUHrhDv39NMad1GhLy8kU5K
mT6foCr2auZlOnHPLIVAxBqI9\n\n92BGVKf3Jjg0AQ6aoO1B5m3uZN7ZdMTRtsykOn4RvctHMIKNzc
VTbaYDDrDwl7CE\n\ngDz7b/s3AgMBAAECggEAGuaCGqOGPzy3hO+Kz7pn3scPUswTweUxey4iGcH
4ldA9\n\n8AiEFTIHj5m6SLOJKN942P0udZUTidzqWEKYqBXdjmlH9rTGau+CaUZrinhzhs\n\nCBmm
Am/ny9UwYFuWMsjux2dLx/jb//k1uCT3+HDHejDw+jitInVk2YZwQn3oVhO\n\nndL8qi/1bH5H5MKL
ofBKzxyL507U2JWseirMeER7RIW/chV1vwlnkIEo1Rc+PUCvL\n\n7dV7k7a2L5xUEgHnxGYS0wIH1p07
84EvnT/BWZNRtF+kD8tXkxLMFoltG65r3BmAj\n\nZvXiLihj8FRLEdUcNRA2RbW0FZU2gYaDWDakiH
WPEQKBgQDIJJAQO1VUWUEKIWkt\n\nG9o6Xktv0tWkyyZJRN9VpTzK0XxG/ArmNSH1XHGhvmF1H
9ZIDzhmA7oAM+JVaEgD\n\nFuOhfmaUWf3gAOSfBPNp6EfGj0yQ9fF1/kLy/fN1HBpq42nH+7yAa7I
2vrdBnk3\n\nneZU3U9DvxCAc97hzZgwesEYzBQKBgQDShZVUKSncsoT0lbrmu6SX1HBNBqDtz3q2\n\nn
y6gQ9E+vYLaEusKVJBX8ZI71zP1ui4N7PgnKafL0vUyZrpK1mFjzDHOOpWFZ6yi7a\n\nnfRGbGUyMmjki
H+wa6A4vD9BvHT9ykMijAp6JNi/Bed3eWUgny3NLqBrFZF1vN0uO\n\nn9eTGDlrCCwKBgQCMwMyiZ
v4lvKL3ziqXUX2SyGM6YI6iqJqgWM7qxbechjznEtC\n\nYlJ1WTvxsXMmz+IcQ9icEuTSgvzcyBZ+bmY
```

```
Y+NoDUjkoQOPp6qsh31tUxwWF77o2\nffcemGrRMtHlt3kdYaKplQaH9lmfcPyYWI51kVmj5maZ2
/amKYZ8ui4P0QKBgF6y\niEGbYqFMDFKZJ8Gylo9VmE6NtMZEIkazxZ4ax91z+6Yo/G5qFRm7gjM/
SqD3UOWX\nOoA6uHcuz84xoPze0uRBraV3fy8s03ak286Qx9nTZe/bvDE+QWMAeGBpf6jhR99L\n
xISic0jssMjcEIEWG37k12YEQsRMc0iTg50zx8+RAoGAY+AbLK5D5WHAp2oT5mtV\nnMA3LSMYK3z
vvBbNEeRxwa7iyGf6o3W9IfAEv7mCm5H2ysvXWF9qrkBOHYt+V06HK\nnxXsVPruGIFPaigRLMbxR
TwfVOBR5ufaga0En81isawN6UBiuJSv3m5O2gZCQLQ2b\n02oVxzp4L6zOJgB+wr6leaw=\n-----
END PRIVATE KEY-----\n",
  "client_email": "firebase-adminsdk-jjnio@int305fb062.iam.gserviceaccount.com",
  "client_id": "114679072368266171620",
  "auth_uri": "https://accounts.google.com/o/oauth2/auth",
  "token_uri": "https://oauth2.googleapis.com/token",
  "auth_provider_x509_cert_url": "https://www.googleapis.com/oauth2/v1/certs",
  "client_x509_cert_url": "https://www.googleapis.com/robot/v1/metadata/x509/firebase-
adminsdk-jjnio%40int305fb062.iam.gserviceaccount.com",
  "universe_domain": "googleapis.com"
}
```

8. Click Copy the code and open the import-zips.js and paste it at the top of the file and add line 2:

```
const { getFirestore } = require('firebase-admin/firestore')
```



9. Take the screenshot of the top code in the import-zips.js (containing your SDK configure) that looks like the above image.

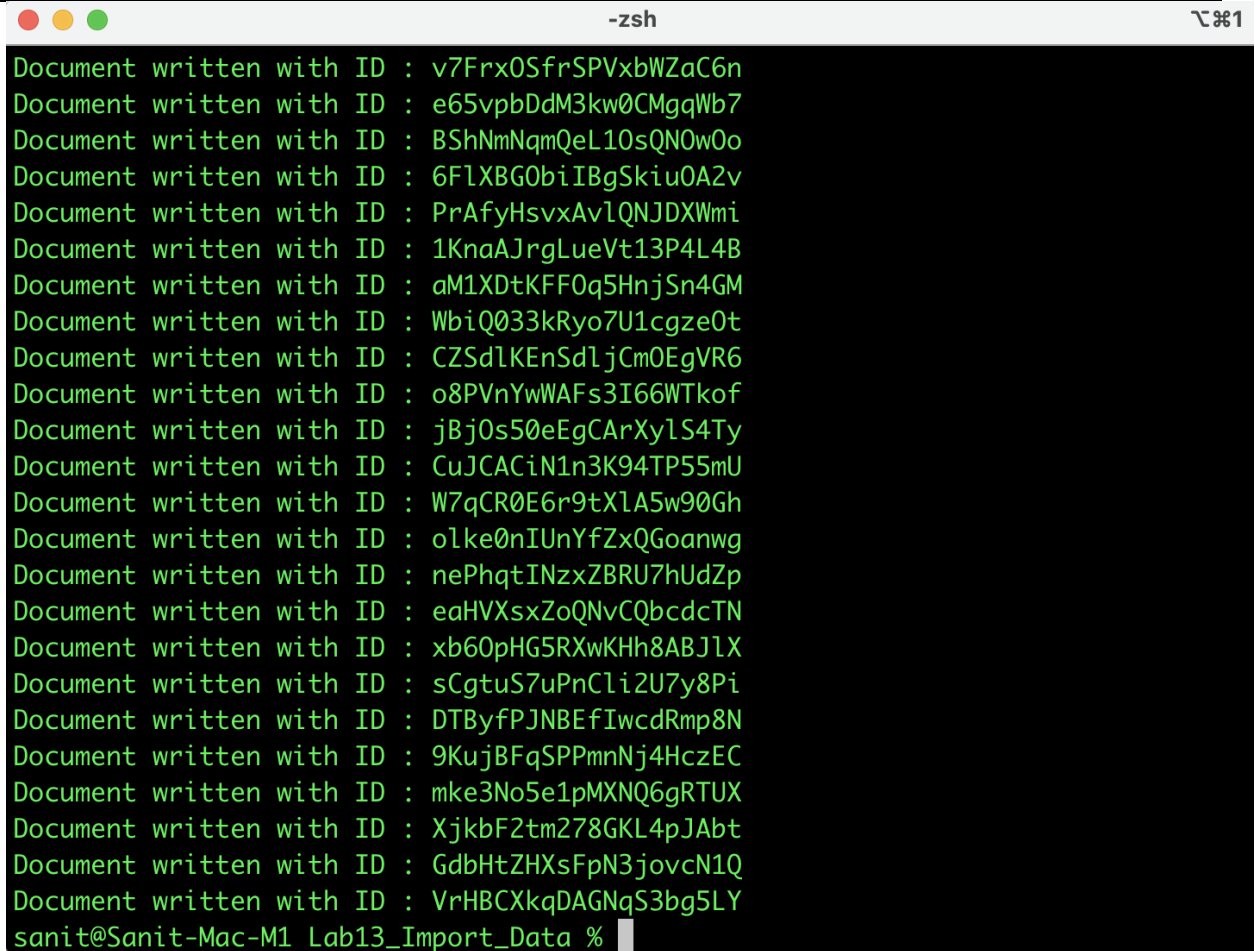
\*\*\*\*\*Your result \*\*\*\*\*

```
import_Data > JS import-zips.js
var admin = require("firebase-admin");
const { getFirestore } = require('firebase-admin/firestore')
var serviceAccount = require("path/to/serviceAccountKey.json");

admin.initializeApp({
  credential: admin.credential.cert(serviceAccount)
});
```

10. Open Terminal or Command Line (Windows) and change directory to the Lab13\_Import\_Data and run the following command:

```
node import-zips.js
```

A terminal window titled "-zsh" with a window control bar (red, yellow, green buttons) and a menu bar (Apple logo, "1"). The terminal output shows 20 lines of "Document written with ID" followed by a long alphanumeric string. The prompt at the bottom is "sanit@Sanit-Mac-M1 Lab13\_Import\_Data %".

```
Document written with ID : v7FrX0SfrSPVxbWZaC6n
Document written with ID : e65vpbDdM3kw0CMgqWb7
Document written with ID : BShNmNqmQeL10sQN0w0o
Document written with ID : 6FLXBG0biIBgSkiu0A2v
Document written with ID : PrAfyHsvxAvlQNJDxWmi
Document written with ID : 1KnaAJrgLueVt13P4L4B
Document written with ID : aM1XDtKFF0q5HnjSn4GM
Document written with ID : WbiQ033kRyo7U1cgze0t
Document written with ID : CZSd1KEsdljCm0EgVR6
Document written with ID : o8PVnYwWAFs3I66WTkof
Document written with ID : jBj0s50eEgCArXylS4Ty
Document written with ID : CuJCACiN1n3K94TP55mU
Document written with ID : W7qCR0E6r9tXLA5w90Gh
Document written with ID : olke0nIUnYfZxQGoanwg
Document written with ID : nePhqtINzxZBRU7hUdZp
Document written with ID : eaHVXsxZoQNvCQbcdcTN
Document written with ID : xb60pHG5RXwKHh8ABJlX
Document written with ID : sCgtuS7uPnCli2U7y8Pi
Document written with ID : DTByfPJNBefIwcdRmp8N
Document written with ID : 9KujBFqSPPmnNj4HczEC
Document written with ID : mke3No5e1pMXNQ6gRTUX
Document written with ID : XjkbF2tm278GKL4pJAbt
Document written with ID : GdbHtZHXsFpN3jovcN1Q
Document written with ID : VrHBCXkqDAGNqS3bg5LY
sanit@Sanit-Mac-M1 Lab13_Import_Data %
```

11. Reload the console in Firebase and you will see the zips collection

Project Overview

Project shortcuts

Firestore Database

Product categories

Build

Release & Monitor

Analytics

Engage

All products

int305fb

Cloud Firestore

Data

Rules

Indexes

Usage

Extensions

Protect your Cloud Firestore resources from abuse, such as billing fraud or phishing

Configure App Check

Panel view

Query builder

int305fb

+ Start collection

cities

todos

zips

zips

+ Add document

0001i8Kneegv0svzE8pD

00QZs4SjmJMrRiAXWap7

00draDa4YAWsvQ4YExbr

00iUViZrINLrRqTGLmo

00tGsFvVfM4UeQVgwsA

011jEdXhhKunUb0bs16y

017Q8coLeoXNs19Jzvah

019oNn9IN0Unt5bCa8qy

01RaK0n17Je8STCY3kn1

0110stP8sAtZDLWQdMg8

01uLV2k8X52j1ffnh36i

01vkiAr19xBzDYFHEqps

021ueaGZw6TQR34CsJgY

000i8Kneegv0svzE8pD

+ Start collection

+ Add field

city: "BIBLE GROVE"

loc

x: 88.510046

y: 38.811856

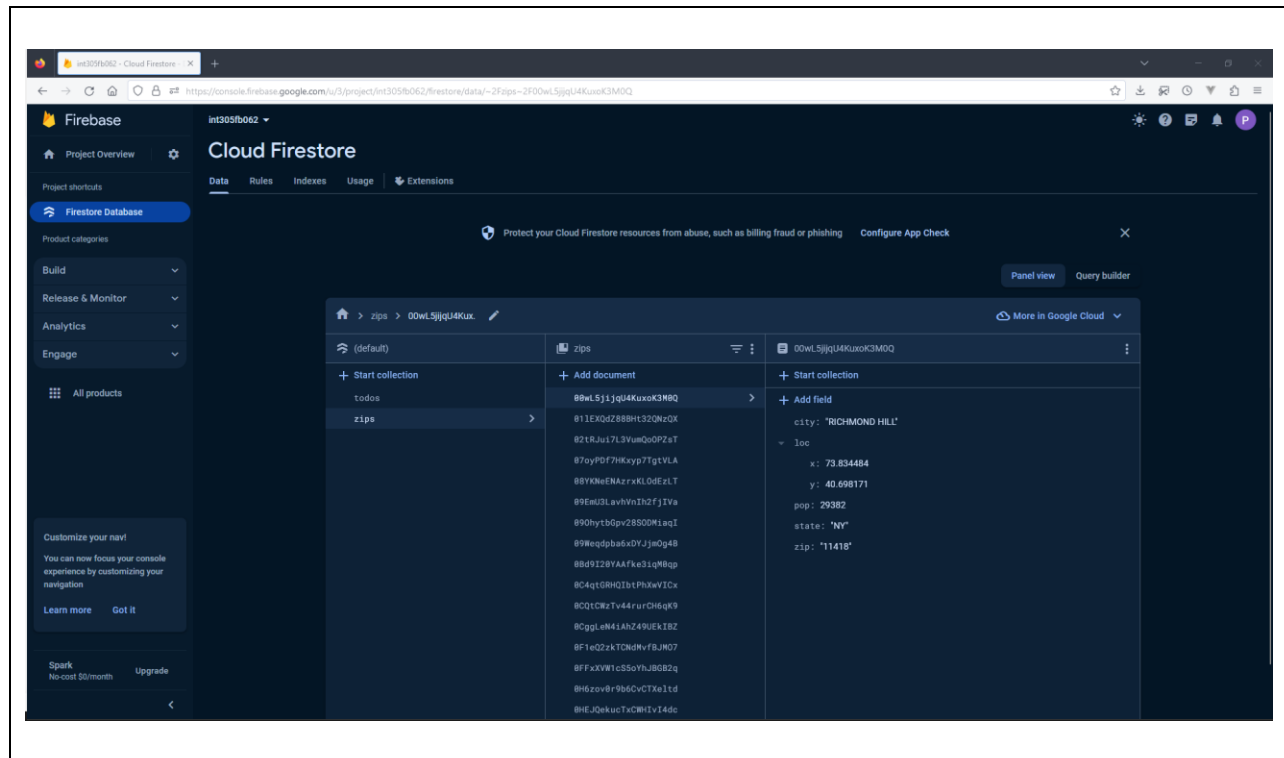
pop: 3688

state: "IL"

zip: "62858"

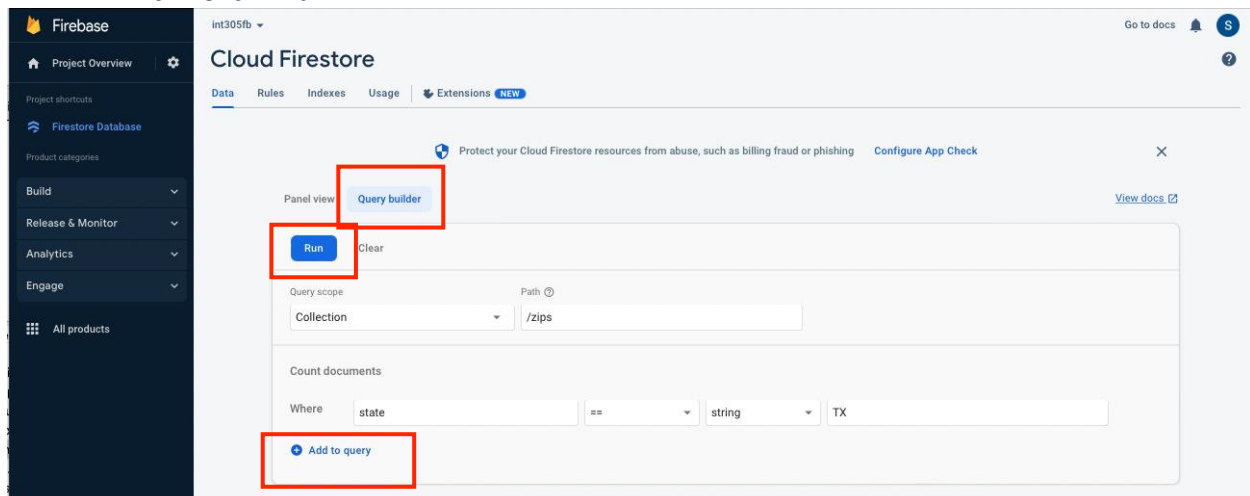
12. Take a screenshot of your Firestore Database to show the zips collection and paste it below

\*\*\*\*\*Your result \*\*\*\*\*



13. Click “Query Builder” and Select Path to “/zips”

- click “Add to query” and Select “Count documents”
- click “Add to query” and Select “Where” and choose the field “state” and type value to “CA”
- Click “Run”





14. Take screenshot to show the total zips in California state (CA) and paste it below:

\*\*\*\*\*Your result \*\*\*\*\*

